

REMARKS

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Claims 2-17 remain pending in the present application. Claim 1 has been amended. Claims 2, 4-6, 9 and 12 have been amended. Claims 16 and 17 are new. Basis for the amendments and new claims can be found throughout the specification, claims and drawings originally filed.

SPECIFICATION

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. Applicants have amended the title to overcome the objection. Withdrawal of the objection is respectfully requested.

CLAIM OBJECTIONS

Claim 2 is objected to because the equation to relate the period to the frequency of a signal lacks the term F and should read " $(F = 1/T)$ ". Claim 2 has been amended to overcome the objection. Withdrawal of the objection is respectfully requested.

REJECTION UNDER 35 U.S.C. § 102

Claims 1-3 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Roucache, et al. (U.S. Pat. No. 3,514,720). Claim 1 has been cancelled. Claims 2 and 3 have been amended to ultimately depend from new Claim 16 which, as discussed below, is believed to be allowable. Reconsideration of the rejection is respectfully requested.

ALLOWABLE SUBJECT MATTER

Claims 4-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 4, 5 and 6 depended from Claim 1. Each of these claims has been amended to independent form to include the limitations of Claim 1 and are thus believed to be allowable. Claims 8, 10 and 13 depend from Claim 3. Claims 11 and 14 depend from Claim 4. Claim 15 depends from Claim 5.

Claims 7, 9 and 12 depend from Claim 2 which has been amended to depend from new Claim 16 which is believed to be allowable as discussed below.

NEW CLAIMS

New Claim 16 is an independent claim which defines that a capacitor C1, C2 is provided between a first amplifier circuit 210 (including a detector circuit part) and a second amplifier circuit 220 to provide a high pass filter characteristic. According to this arrangement, the operation and advantages described in paragraphs [0009], [0035] and [0039] are provided. In Roucache, et al. (US '720), a capacitor 64, 66 is provided between a first circuit PS and a second circuit PC. Roucache, et al. fails to disclose, teach or suggest that the first circuit PS includes a detector part (e.g. diode) and that the capacitor 64, 66 provide a high pass filter characteristic.

Thus, Claim 16 is believed to be allowable. Claim 17 is a dependent claim which defines the detector circuit part as including a detector diode. Claims 2, 3, 7, 9 and 12 have been amended to ultimately depend from new Claim 16.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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